tech.mit.edu



WEATHER, p. 2





Tuesday, May 15, 2012

### **Kyaw report closed**

### Collision an accident, no charges

By John A. Hawkinson STAFF REPORTER

Volume 132, Number 26

The investigation into the Dec. 27, 2011 death of Phyo Kyaw '10 is complete, and it has been ruled an accident. Kyaw was killed when his bicycle and a J.P. Noonan tanker truck collided as the truck turned right from Massachusetts Avenue onto Vassar Street in rainy weather after dark that evening.

We found that there is insufficient evidence to support negligence on the part of the driver," said Jessica Venezia Pastore, a spokeswoman for the Middlesex District Attorney's Office. Pastore responded to a routine inquiry from The Tech about this matter on Friday. Pastore said the investigation had closed on April 8. Police reports on the accident were not available prior to that closure.

The Massachusetts State Police performed a collision reconstruction, and their 16-page reconstruction report, dated March 21, is available online at http://tech.mit.edu/ V132/N26/kyaw.

"The possible cause of this collision was the encroachment of the bicycle into the path of the turning tractor trailer unit," the report said. The report, which was the basis for the DA's decision whether to charge the driver, is written in the "best light" favorable to the truck driver. This is consistent with innocent-until-proven-guilty. The report explicitly states that its assumptions favor the innocence of the driver.

The reconstruction report shows the tractor-trailer truck crossing over the double-yellow line into Vassar's oncoming (westbound) traffic's left lane, and shows both Kyaw's bicycle and Kyaw's body as being on the lane division between the left and right westbound lanes.

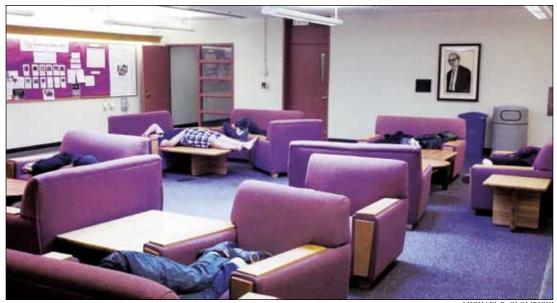
However, the report states that "roadway design and engineering did not precipitate or contribute to this collision." State police spokesmen were not available last night to resolve the discrepancy.

Kyaw's bicycle's final position was not in a bicycle lane, the report said. Local laws do not require bicycles to travel in the bicycle lane, and it is common for left-turning bicycles to travel in Vassar's left lane.

The reconstruction report cited contributing factors of "moderate to heavy rainfall," Kyaw's nonreflective clothing, Kyaw's presumed high speed, and the lack of a front light on the bicycle.

Kyaw was wearing a helmet at the time of the accident, Cambridge Police report #5 said. The bicycle was "not equipped with a front-facing light," and its front white reflector was partially obstructed by brake and shifter cables, the report said.

Kyaw, Page 15



Baker residents are forced to sleep in the fifth floor of the student center, among other places, on Sunday morning after a vandal discharged a fire extinguisher on the first, second, and third floors of the dormitory. The alarm went off at 2 a.m. and again at 4:30 a.m. that morning; residents were not allowed back in until 9:45 a.m.

### Three floors of Baker vandalized

### Evacuated after two fire alarms, perpetrator unknown

By Bruno B.F. Faviero

Baker residents were rudely awakened by fire alarms twice on Sunday morning, once at 2 a.m. and again at 4 a.m. On the second instance, someone also "maliciously" discharged a fire extinguisher on the first, second, and

third floors before disposing of it in a third-floor trash can. Baker was evacuated for several hours as a result, according to Baker President Michael E. Plasmeier '13 and information from Baker House minutes. The fire alarms were pulled in the west wing of the first floor, from where the fire extinguisher was also taken.

Students leaving their rooms on these floors encountered the discharge on the floor, which resembled "flour" according to firstfloor resident Jonathan M. "Jono" Matthews '15. Matthews also noticed the white smoke in the air, which Housemaster Jeffrey A.

Baker, Page 17

MIT students gather on Kresge Lawn Sunday evening to watch the UA's showing of Pixar's Up.

### CoolChip within rules

### CEP rules revised to reflect IP concerns

By Anne Cai

NEWS EDITOR

On April 11, Chancellor Eric Grimson PhD '80 concluded a review of an intellectual property rights situation with CoolChip Technologies, winner of the 2011 MIT \$200K Clean Energy Prize (CEP) Contest. He found that the Cool-Chip did not violate the rules of the competition, but "was misleading in some of its public presentations." Grimson said in an interview with The Tech in September that he would be working with the leadership of the CEP to review their rules regarding intellectual property and attribution issues. Since then, he said, he has personally conducted interviews with the three CoolChip founders, the relevant faculty, staff, and students, and the staff of Sandia National Laboratories, which invented the technology in question. Grimson also reviewed CoolChip's contest submission and the CEP's

Last May, MIT startup CoolChip Technologies, which develops cooling systems for electronics, won the Grand Prize in MIT's \$200K Clean Energy Prize (CEP) Contest. Founded by William R. Sanchez '05, Steven J. Stoddard '06, and Daniel A. Vannoni MBA '11, CoolChip was sub-

CoolChip, Page 12

### **IN SHORT**

HockField Day, a celebration picnic in honor of President Susan J. Hockfield, will be this Thursday on Killian Court from noon to 2 p.m.

Do you want to volunteer for the 2012 Commencement? Register online at http://mit150.mit.edu/none/volunteercommencement-2012 by this Friday at 5 p.m. to request extended spring housing as a volunteer.

The Toy Product Design (2.00B) has its final PLAYsensation event

today at 7:30 p.m. in 10-250, where student teams will present their final toy prototypes.

The MIT \$100K Business Plan Con**test's finale** is today 7 p.m. – 9:30 p.m. in Kresge Auditorium. Eight MIT startups will compete as finalists.

Sloan's Institute-wide course bidding closes this Friday at 5 p.m. Students can bid online at https://sloanbid.mit.edu/ registrar-student/Home.tap.

Send news information and tips to news@tech.mit.edu.

### The Tech has an audio news digest!

### Brief audio news digest available online with every issue

By Jingyun Fan CONTRIBUTING EDITOR

In the time that it takes to walk down the Infinite, you can now catch up on campus news! Just listen to The Tech's new biweekly news digest. It will cost you 10 minutes each week — or less than 0.1% of your time. You can subscribe to the podcast at http://tech.mit.edu/rss/newsdigest.xml.

 $\mathit{The\ Tech}$  inaugurated this new feature on May 4 — you may have noticed it on our webpage's sidebar. Our hope is to make it easier for students to stay informed about campus issues.

The life of an MIT student is busy and stressful. As you prepare for your future, it is easy to see how reading The Tech gets relegated to the back burner. However, life does not begin only after graduation. Citizenship starts in your immediate community, and it starts now.

This is easier said than done. Students tell us that they simply do not have time for the news, and we hope that the audio digest will lower the activation energy required to engage in the community.

We aim to release a digest on Tuesday and Friday, accompanying each issue of the Tech. We hope you enjoy the news digest!

### **ADVOCACY ACTION PLAN**

How leaders can ask for more student space. EDITORIAL, p. 4

### **BRINGING MIT TOGETHER**

Check out the UA-GSC joint vision statement! OPINION, p. 5

### **IS&T CELL PHONE AMPS**

What are those funny white cones around campus? **NEWS**, p. 12



### A MARVELOUS **MENAGERIE OF SUPERHEROES**

The Avengers are finally here! ARTS, p. 6

### **HUNGRY MOTHER**

This small restaurant by the Kendall Theater will delight.

ARTS, p. 7

### **SECTIONS** World & Nation

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### In rebuke to Merkel, Germans choose social democrats

BERLIN — Chancellor Angela Merkel's party suffered a stinging defeat in elections in Germany's most populous state on Sunday, one likely to embolden her political opponents both at home and abroad as the European debt crisis enters a critical new phase.

One week after Socialists seized the French presidency, the Social Democrats won the parliamentary election in North Rhine-Westphalia, early results and exit polls released Sunday showed. Norbert Rottgen, the lead candidate for Merkel's Christian Democrats in the state, conceded defeat and said he would be stepping down as the head of the party there.

Exit polls for German public television showed the Social Democrats winning 39.1 percent of the vote, an increase of 4.6 percentage points from two years earlier.

While the results were not official, the party was likely to achieve a double-digit margin of victory. The Christian Democrats won just 26.3 percent of the vote, 8.3 percentage points less than in the previous election.

—Nicholas Kulish, The New York Times

### China's political turmoil won't delay new leadership

BEIJING — Despite a spectacular political scandal and swirling rumors of high-level infighting, signs are that China's once-in-a-decade leadership change is still on track for this autumn, according to party insiders and observers.

The change, which will take place at the Communist Party's 18th Congress, was scheduled last year for the second half of this year.

Over the weekend, the party's flagship newspaper People's Daily reported in its overseas edition — which is written for foreign consumption — that this timetable will be met.

The article came after some foreign news media predicted that the Congress would be delayed.

—Ian Johnson, The New York Times

### Palestinian prisoners sign deal and end their hunger strike

JERUSALEM — Hundreds of Palestinian prisoners in Israeli jails ended a hunger strike Monday that had lasted for weeks, signing an agreement with the Israeli authorities that promised improved conditions, according to officials. The end of the strike calmed fears of widespread unrest in the event of a prisoner's death.

"There is an agreement — the strike is over," Sivan Weizman, a spokeswoman for the Israel Prison Service, said by telephone Monday evening.

Qadura Fares, the president of the Palestinian Prisoners Society, based in Ramallah in the West Bank, said that the agreement was reached by prison leaders on behalf of all the Palestinian factions.

Israel said that Egypt and Jordan had played roles in helping to end the strike.

Among other provisions, the Israeli authorities said, the agreement calls for prisoners now in solitary confinement to be returned to the general prison population and for family visits to resume for prisoners from Gaza, which is under the control of Hamas, the more radical of the major Palestinian factions.

—Isabel Kershner, The New York Times

### Iran sees success in stalling on nuclear issue

By Thomas Erdbrink

THE NEW YORK TIMES

TEHRAN, Iran — As Iran starts a critical round of talks over its nuclear program, its negotiating team may be less interested in reaching a comprehensive settlement than in buying time to further establish its enrichment program, Iranian officials and analysts said.

That is because though Iran finds itself under increased financial pressure from tightening sanctions, officials here say their fundamental approach has essentially worked. In continually pushing forward the nuclear activities — ramping up enrichment and building a bunker mountain enrichment facility — Iran has in effect forced the West to accept a program it insists is for peaceful purposes.

Iranians say their carefully crafted policy has helped moved

the goal posts in their favor by making enrichment a reality that the West has been unable to stop — and may now be willing, however grudgingly, to accept.

"Without violating any international laws or the Non-Proliferation Treaty, we have managed to bypass the red lines the West created for us," said Hamidreza Taraghi, an adviser to Iran's supreme leader, Ayatollah Ali Khamenei, who is close to the negotiating team.

Iran's envoys met on Monday with officials with the International Atomic Energy Agency in Vienna to discuss the agency's desire to inspect facilities in Iran that it suspects have been used to test explosives capable of detonating a nuclear charge, which Iran denies.

The talks, however, are also seen as an informal precursor to negotiations scheduled this month in Baghdad, between Iran and the United States and other world powers.

While there remains a significant gap in trust between the two sides — and little likelihood that Iran will give the IAEA the access it wants to a military site — Iran's public posture fuels a sense that both sides are searching for a way to declare victory and end the crisis.

For the West, officials have said that success, at least in the short term, would mean a deal that has Iran ship all its more highly enriched uranium out of the country, which would slow its ability to potentially build nuclear weapons.

In Tehran, Taraghi was promoting a narrative that might pave the way for public, and political, acceptance of a compromise over a program that has broad public support, even among competing political factions. Enrichment is seen as a matter of national sovereignty and pride.

### Greek turmoil may spur new bargaining in eurozone

By Nicholas Kulish and Rachel Donadio

THE NEW YORK TIMES

BERLIN — As gridlock among Greece's political parties made new elections and another month of uncertainty there all but inevitable, European markets dropped significantly Monday amid concerns that Greece's departure from the euro was near, and right behind it a new round of financial instability for Europe and the outside world.

Yet there were also indications emerging Monday that the latest turmoil could as easily signify the beginning of a new phase of bargaining between Greece and its European lenders as it could a sudden Greek exit from the eurozone.

Despite their hard line in pub-

lic, German policymakers, including Chancellor Angela Merkel, have begun to hint at some flexibility on the deep and painful budget cuts European officials have demanded. In Greece, despite outrage at the cost of carrying out European demands for austerity, few seem prepared to argue that the costs of leaving the euro — and perhaps severing political ties to Europe — are really bearable.

"Leaving the euro is like a huge earthquake or a nuclear bomb," said Yannis Stournaras, a well-regarded economist who has advised multiple Greek governments and the Bank of Greece. "There will be no life. Life will start from scratch." Asked if Greece had any contingency plans for leaving the euro, Stournaras said simply, "No."

The uncertainty led major stock

indexes in Britain, Germany and France to decline by about two percent.

Many political analysts say that unless Greece forms a government at the 11th hour this week, the most likely outcome after a probable new round of elections in June is another round of contentious negotiations over the terms of staying in the eurozone because neither side has a strong incentive to speed up a withdrawal.

They predict, in other words, that Europe will continue to stumble through the crisis for some months to come.

"Nobody can really calculate what the costs are of Greece exiting the euro, and nobody wants to test it," said Thomas Risse, professor of international politics at the Free University in Berlin.



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### Facebook needs to turn data trove into investor gold

By Somini Sengupta THE NEW YORK TIMES

SAN FRANCISCO Zuckerberg, Facebook's chief, has managed to amass more information about more people than anyone else in history.

Now what?

As Facebook turns to Wall Street in the biggest public offering ever by an Internet company, it faces a new, unenviable test: how to keep growing and enriching its hungry new shareholders.

The answer lies in what Facebook will be able to do — and how quickly — with its crown jewel: its status as an online directory for a good chunk of the human race, with the names, photos, tastes and desires of nearly one billion

Shares are expected to begin trading as early as this week. Already, lots of investors are scrambling to buy Facebook shares, with giddy hopes that it will become a big moneymaker like Google. In the eight years since it sprang out of a Harvard dorm room, Facebook has amassed users at breakneck speed, kept them glued to the site for longer stretches of time and turned a profit by using their personal information to customize the ads they see.

Whether it can spin that data into enough gold to justify a valuation that the company estimates could be as much as \$86 billion remains unclear.

"We know Facebook has an awful lot of data, but what they have not worked out yet is the most effective means of using that data for advertising," said Catherine Tucker, a professor of marketing at the Sloan School of Management at the Massachusetts Institute of Technology. "They are going to have to experiment a lot more."

Analysts, investors and company executives can rattle off any number of challenges facing the company. As it works to better match ads to people, it has to avoid violating its users' perceived sense of privacy or inviting regulatory scrutiny. It needs to find other ways to generate revenue, like allowing people to buy more goods and services with Facebook Credits, a kind of virtual currency. Most urgently it has to make money on mobile devices, the window to Facebook for more and more people.

All the while, its ability to innovate with new features and approaches — to "break things," in the words of Zuckerberg — may be markedly constrained once it has investors to answer to.

"They are going to have to think about whether they can continue with the motto, 'Done is better than perfect," said Susan Etlinger, an industry analyst at the Altimeter Group.

### Mixed messages over tighter rules for Wall Street

Conflicting signs are emerging in Washington over whether JPMorgan Chase's surprise trading loss will spur tighter regula-

One of the banking industry's main regulators appeared to indicate that it would oppose new efforts to rein in risky Wall Street activities, while other regulators emphasized caution. Still, a congressional committee announced plans on Monday to hold a hearing on the financial regulatory overhaul that will look at

Wall Street's representatives, fearing that the entire banking industry might pay for JPMorgan's sins, are trying to contain the fallout in Washington, people close to the matter said.

When JPMorgan announced on Thursday that it had a trading loss of \$2 billion that was expected to grow, some lawmakers and consumer advocates cast it as a case study in the need for stricter Wall Street oversight. The central policy, known as the Volcker Rule, would ban banks from trading with their own money, an effort to prevent bank blowups that necessitate bailouts with taxpayer money.

Ben Protess and Edward Wyatt, The New York Times

### Rhode Island to recognize gay unions

Gov. Lincoln Chafee of Rhode Island on Monday ordered all state agencies to recognize same-sex marriages performed elsewhere and to afford those couples many of the same rights and benefits that heterosexual couples get.

By issuing an executive order, Chafee, an independent, reaffirmed a 2007 opinion by the state attorney general, which he said state agencies had followed inconsistently.

An effort to legalize same-sex marriage in Rhode Island failed last year, with the legislature approving civil unions for gay cou-

Gay rights advocates said that among other things, the order would help ensure that insurance plans regulated by the state provide the same benefits to same-sex couples who were married in other jurisdictions that they do to heterosexual couples.

### —Abby Goodnough, The New York Times

### **Election-finance witness for Edwards barred**

GREENSBORO, N.C. — In a setback for the defense, the judge in John Edwards' corruption trial Monday barred the testimony of a former federal elections official who was prepared to say that Edwards did not violate campaign finance laws.

The witness, Scott Thomas, a former chairman of the Federal Election Commission with 37 years of experience at the agency, was to have been the first witness for Edwards, who is defending himself against six charges of conspiracy and campaign finance violations. Thomas was prepared to testify that almost \$1 million from wealthy donors, which was used to hide Edwards's affair during his 2008 run for the Democratic presidential nomination, did not qualify as campaign contributions.

In a sometimes contentious hearing without the jury present, Thomas said that although campaign spending remained an unsettled area of law, Edwards had no legal obligation to claim the money as a contribution.

"In my view, it's a fairly clear-cut case," he said. "These are obviously intensely personal expenses."

Judge Catherine C. Eagles, however, ruled against Edwards' lawyers and said Thomas could not offer the U.S. District Court jury his opinion on the legality of the contributions.

Eagles said it was her role — not a witness' — to explain the law to the jurors and let them decide if Edwards had violated it.

–Kim Severson, The New York Times

### Colleges begin to confront higher costs and students' debt

By Andrew Martin

THE NEW YORK TIMES

COLUMBUS, Ohio — In a wood-paneled office lined with books, sports memorabilia and framed posters (including John Belushi in "Animal House"), E. Gordon Gee, the president of The Ohio State University, keeps a framed quotation that reads, "If you don't like change, you're going to like irrelevance even less.

Gee, who is often identified with a big salary and spendthrift ways, says he has taken the quotation to heart, and he is now trying to persuade Ohio State's vast bureaucracy, and the broader world of academia, to do the same.

At a time of diminished state funding for higher education and uncertain federal dollars, Gee says that public colleges and universities need to devise a new business model to pay for the costs of education, beyond sticking students with higher tuition and greater debt.

"The notion that universities

can do business the very same way has to stop," said Gee, who is also the chairman of a commission studying college attainment, including the impact of student debt.

College presidents across the country are confronting the same realization, trying to manage their institutions with fewer state dollars without sacrificing quality or allimportant academic rankings.

Tuition increases had been a relatively easy fix but now - with the balance of student debt topping \$1 trillion and an increasing number of borrowers struggling to pay - some administrators acknowledge that they cannot keep putting the financial onus on students and their families.

Increasingly, they are looking for other ways to pay for education, stepping up private fundraising, privatizing services, cutting staff, eliminating departments even saving millions of dollars by standardizing things like expense

And Wall Street is watching.

Moody's Investors Service, in a report earlier this year, said it had a favorable outlook for the nation's most elite private colleges and large state institutions, those with the "strongest market positions" that had multiple ways to generate revenue. Ohio State, for instance, received a stable outlook from Moody's last fall, though the report cautioned about the school's debt and reliance on its medical center for revenue.

But Moody's issued a negative outlook for the majority of colleges and universities heavily dependent on tuition and state revenue.

'Tuition levels are at a tipping point," Moody's wrote, adding later, "We anticipate an ongoing bifurcation of student demand favoring the highest quality and most affordable higher education

Many colleges are top-heavy with administrators and woefully inefficient, having not undertaken the kind of paring public companies did years ago - until now.

### **WEATHER**

### Pattern of rainy weekdays, nice weekends to continue

By Shaena Berlin STAFF METEOROLOGIST

After letting up for a warm, sunny weekend, rain will return to Cambridge today and tomorrow. While unfortunate for those who wish to enjoy the outdoors, the rain should help ease the drought conditions that plague part of every state on the Atlantic seaboard. Drought combined with record high temperatures are also taking a toll on the Southwest, where wildfires have already forced evacuations in Arizona, and many other regions sit at high fire risk.

Looking toward the weekend, expect a return of clear skies and pleasant weather just in time to enjoy the Friday with no classes.

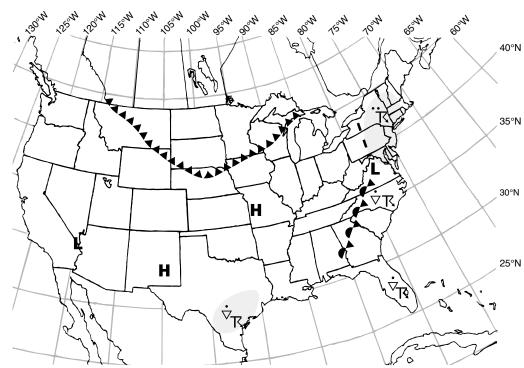
### **Extended Forecast**

Today: Mostly cloudy with afternoon rain showers. High 72°F (22°C). S wind at 15 mph.

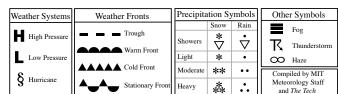
Tonight: Rain showers and thunderstorms possible. Low near 57°F (14°C).

Tomorrow: Morning rain and thunderstorms tapering off in the afternoon. High near 75°F (24°C). Low near 55°F (13°C). Thursday: Mostly clear with high near 72°F (22°C) and low around 48°F (9°C).

Friday: Sunny and pleasant. High near 68°F (20°C). Low around 48°F (9°C).



Situation for Noon Eastern Time, Tuesday, May 15, 2012





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### **EDITORIAL**

### An action plan for the UA

### Suggestions for effective student advocacy

How exactly can students make a difference on campus? Is there anything that students who care about MIT can do to influence Institute policy? There are concrete things the new Undergraduate Association leadership can — and should — do to enhance the student experience.

Since the space of possibilities for student advocacy is so large and spans so many issues, here we'll address only two issues that go hand-in-hand: the MIT 2030 campus planning initiative and the online learning project edX. *The Tech* touched on these topics before in a February editorial, but plenty has changed between then and now.

2030, a framework to envision the physical campus in 20 years, and edX, an online learning initiative being championed by MIT and Harvard, are both vital to the future of undergraduate education at MIT. Administration officials say they want edX to enhance the residential learning experience by moving "chalk-and-talk" learning online, freeing up in-class time for close faculty-student interactions. MIT 2030 is a vision for a 21st century campus — it lays out extensive plans for campus renovation and new construction, in addition to generous promises for nearby commercial development (much of which is already being fulfilled).

But the visions don't match. How, under a new educational model of hybrid online-classroom learning, can we make do with a 20th-century educational infrastructure? What good will a plethora giant lecture halls do us when we no longer go to lecture? Where are the visions for dynamic new learning spaces that facilitate the type of close faculty-student laboratory interactions that edX officials have talked about?

To be sure, MIT 2030 does promise substantial renovation of existing academic space within the next 10–20 years, but the plans are still vague and the completion dates yet-to-be determined. Meanwhile, the edX initiative is being pushed aggressively by MIT's

senior administration. What happens if our educational model outpaces our physical campus?

Even closer to home, MIT has been gradually increasing undergraduate enrollment while also preparing for a possible reduction in student activity space; Walker Memorial, home to many student groups, may soon be repurposed for the Music and Theater Arts department. The 2030 framework, while envisioning sprawling new campuses for Novartis and Pfizer, currently includes no new space for nonacademic student use. According to the current iteration of 2030, MIT expects the student community to still be making use of a virtually unchanged Stratton Student Center in 20 years (the building may see "capital renewal," e.g. roofs, elevators, and systems renewal). The idea that the '60s-era Student Center will be the center of campus life for the MIT student of 2030 is almost embarrassing.

Fortunately, both edX and MIT 2030 are still flexible. In the most recent faculty newsletter, Executive Vice President and Treasurer Israel Ruiz SM '01 and Associate Provost for Space Martin A. Schmidt signalled they were willing and expecting to hear student input on campus planning.

The UA and Graduate Student Council's focus on space planning, addressed under their vision statement in this issue, is also heartening. UA and GSC leadership say that we should continue our history of involving students in discussions on campus planning, and they're absolutely right. The UA has already established "working groups" on MITx and MIT 2030, another promising sign.

But we'd like to take it a step further. Here are some concrete steps we think the UA president can take to effectively advocate for students on the issue physical space for undergraduates:

1. Recognize that though edX and MIT 2030 are distinct initiatives, they go hand-in-hand. Faculty and admin-

istration alike care deeply about both, so using edX to bolster your argument for enhanced student space will be particularly effective.

2. Develop clear, ambitious proposals. One solution to diminishing and outdated student space for academics and extracurricular activity may be construction of a brandnew building for students. The idea may seem crazy to some, but with so much talk of new laboratories for pharmaceutical companies, is it actually so crazy to ask for new buildings for students, too? Imagine a "student center" fit for the 21st century - one that provides opportunities for extracurricular exploration and innovation while also facilitating dynamic faculty-student engagement. Think to yourself, "what would be awesome for students to have?" Then ask for it.

3. Sell your idea. The only way big things can happen is if people get excited about them. Schedule meetings with alumni who have deep pockets. Get their contact information and then give it to our new president. Invite students to forums where you tell them why they, too, should be excited about cool new space. Write columns in *The Tech*. Remember, faculty members who were once undergraduates are particularly valuable allies!

4. Don't let faculty and the administration forget. The UA president should exercise his speaking privileges at faculty meetings early and often. Bring up the idea of a new, second student center as often as you can. Tell the administration (whose senior leaders go to faculty meetings) which alumni to call for funding. If the idea is cool and exciting, the money will follow — after all, alumni were once students just like you. It will be hard for our new president to ignore calls saying, "I want to give you money for this."

The new UA and its partners are ideally suited to pull off something big. MIT students often go to great things for the rest of the world, but they can start right here. And 2012 is the year to do it.

### **CORRECTIONS**

An article published Friday about Wi-Fi on Boston Common stated that the project began in February 2012, and gave the impression wireless Internet was added to the park recently. Wi-Fi was deployed on Boston Common over a year ago, in April of 2011, not 2012. The project began in February 2011.

A photo essay that was published in last Friday's issue of The Tech incorrectly labeled the 2.007 and 1.013 photos. Odd number photos should correspond to captions one through four about 1.013, while even number photos should correspond to captions five through eight about 2.007.

### **LETTERS TO THE EDITOR**

### Disability sensitivity for Chen Guangcheng

I am appalled by the decision of *The Tech* to reprint a cartoon that makes inappropriate jokes about people with vision-related disabilities on page 6 of the May 8, 2012 issue. The "humor" is crass and juvenile, and does not whatsoever reflect the reality that blind people function perfectly capably in society. Chen Guangcheng is an award-winning human rights advocate who happens to be blind, and should not be disparaged with derogatory stereotypes about his disability.

Liz Fong-Jones '14

### **OPINION POLICY**

**Editorials** are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Aislyn Schalck, Editor in Chief Jessica J. Pourian, Managing Editor Connor Kirschbaum, Executive Editor Ethan A. Solomon, and Opinion Editor Andy Liang.

**Dissents** are the signed opinions of editorial board members choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to *letters@tech.mit.edu*. Hard copy submissions should be addressed to The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *The Tech* reserves the right to edit or

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**Guest columns** are opinion articles submitted by members of the MIT or local community.

### **TO REACH US**

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to <code>general@tech.mit.edu</code>, and it will be directed to the appropriate person. You can reach the editor in chief by e-mailing <code>eic@tech.mit.edu</code>. Please send press releases, requests for coverage, and information about errors that call for correction to <code>news@tech.mit.edu</code>. Letters to the editor should be sent to <code>letters@tech.mit.edu</code>. The Tech can be found on the World Wide Web at <code>http://tech.mit.edu</code>.

Tuesday, May 15, 2012

### **Educate Tami**

### The North Carolina constitutional ban on same-sex marriages shows how much work still needs to be done

By Andy Liang

OPINION EDITOR

In 2010, back in my home, New York, I worked with a local grassroots organization to advocate for legalizing same-sex marriage. My organization and I went up to Albany to speak with legislators personally, worked to rally protestors in the suburban and conservative towns of New York, and took every opportunity we had to educate strangers about what the legalization of marriage of a man with a man, and a woman with a woman, meant.

A year later, same-sex marriage was legalized in New York. By then, I had settled into college with the belief that the times were changing, and that Americans could grow to be more tolerant. That by assembling, educating, and correcting, we can bring those who disagree with same-sex marriage to understand what the institution of marriage would mean for gay couples. Legalized gay marriages would not be an abomination to the institution of marriage, as marriage itself is an evolving institution.

Marriage for interracial couples was not fully granted until the Supreme Court decision *Loving v. Virginia* in 1967, which allowed

a Caucasian man and an African-American woman to be legally wed. The definition of marriage changes because people change.

At least I thought people could change. But I thought wrong.

On May 8, the constitutional amendment for the ban of same-sex marriage within North Carolina, also known as Amendment One, was passed 61-39. The amendment states that the marriage between a man and a woman would be the only domestic legal union recognized within North Carolina.

### Religion is merely a belief system. Religion only teaches; it does not argue.

Such a large margin of victory by the pro-amendment group suggests that many minds have not changed. Their opinions have not even budged. Tami Fitzgerald, the leader of the pro-amendment group "Vote for Marriage NC," said after the victory:

"I think it sends a message to the rest of the country that marriage is between one man and one woman. ... The whole point is simply that you don't rewrite the nature of God's design based on the demands of a group of adults."

But legalizing gay marriage would not

This is not how we should interpret the Bible. So why would conservatives like Tami interpret it to say that married gays would oppose God's work?

alter "God's design," because marriage be-

tween heterosexuals is not a design by God;

it's a design by man. Marriage licenses, legal

age to marry, inheritance rights, and license

fees, are all laws and regulations set in the

courts by the common men and women,

and not in the heavens by God. God did not

ring up a newlywed couple and say, "Congratulations, your marriage license comes

out to be \$59.99, and \$10.00 for the certified

copy. Your total comes out to \$69.99. Cash

The answer is simple: Tami.

Tami thinks that gays marrying will erode the institution of marriage. Tami thinks that gays marrying is wrong. Tami tries to justify what she thinks is wrong by appealing to religion. But religion is not the problem here. Religion is merely a belief system. Religion only teaches; it does not argue. Yet Tami argues through God, as if she were God himself, for the purpose of defeating any acts and thoughts that conflict with her beliefs. Her selfish actions serve nobody but people like herself. And in effect, she goes ahead and puts in a constitutional amendment banning other Americans' rights to life, liberty, and pursuit of happiness.

So the solution to stopping Tami? Educate Tami. Educate the politicians sponsoring the amendment. Educate the people that cast votes in support of the amendment.

Go to Raleigh, N.C., to speak with legislators personally. Rally protestors in the suburban and conservative towns of North Carolina. Take every opportunity you have to educate strangers about what the legalization of marriage of a man with a man, and a woman with a woman, means. That is, simply that, a marriage of two persons.

I believe that people do evolve. (Some are more evolved than others.) And like for the definition of marriage, this evolution will take time, it will take effort, and it will take patience. People opposing same-sex marriage — whether for religious reasons or not — will have to confront their beliefs when they meet gay persons, who may be their neighbors, their friends, or their family.

### **UA-GSC** joint vision for the MIT community

### By Jonté Craighead, Brian Spatocco, Michael Walsh, and Aalap Dighe

For too long have we viewed the MIT community as being artificially demarcated by the labels of "undergraduate" or "graduate." Instead of dividing issues between our constituencies in the year to come, we propose an approach that leverages a shared set of priorities to solve our common problems. Today we present a vision which bridges the artificial boundaries of undergraduate, graduate, post-doc, faculty, and staff. This is the vision of a single community driving MIT forward, and not the monolith of MIT servicing disparate communities.

As leaders of the undergraduate and graduate student governments, we recognize the commonalities within a greater, single MIT community. This shared identity encompasses not only academic and research excellence, but the equally important drive to engage and support the individual at a more human level such that upon graduation we can provide the world not just quantitative solutions, but more importantly, human solutions.

To this end, the Undergraduate Association (UA) and the Graduate Student Council (GSC) would like to take that first step towards a more collegial institution by partnering in four key areas. Specifically, we seek to work with faculty and administrators to advance the MIT community in the realms of student wellness and support, campus planning, and community-based problem solving. Additionally, the upcoming presidential transition is a unique opportunity for our community to self-reflect, re-examine our priorities, and set a new direction of the Institute in the years to come.

### **Student Wellness and Support**

Let us first be honest with ourselves: the intensity of the MIT experience which sets us apart from the rest of our peer institutions can also often serve to drive us apart from our fellow colleagues and prevent us from caring for ourselves as well. We must all accept responsibility for the fact that the environment which we sought, have embraced, and now steward can bring out both the best — and the worst — in our community. Nowhere is this more striking than in the realm of student health and wellness.

Every year the "fire hose" grows — new course content is added, additional academic requirements are levied, and expectations of extracurricular involvement continue to grow. Thus, we are faced with two possible solutions to bridge the gap: lower the standards of MIT or bolster support services for students across the board. Since few at MIT would choose the former, we must work towards the latter.

The GSC and UA are resolute in our stance that the number one focus of the Institute must be on the health, wellness,

and personal support of the MIT community. Though MIT has worked hard to develop a forward-thinking portfolio of support resources, including S3, Mental Health, MIT Medical, the ODGE, and the Work-Life Center, we believe that the scale and visibility of such services must be significantly enhanced. Furthermore, because the MIT family consists of more than just undergraduates and graduates, we feel the overall health and wellness of the Institute is directly linked to the resources available to not just students, but faculty and staff as well. To this end, analogous support services must exist at all levels, for all members of our diverse community.

### The greatest assistance often comes from an attentive, caring friend, roommate, hallmate, labmate, faculty member, or classmate.

While formal support services provided by the Institute are critical, MIT's support network extends beyond the offices of the Institute. As MIT members, there is much we can do to support one another. In fact, the greatest assistance often comes from an attentive, caring friend, roommate, hallmate, labmate, faculty member, or classmate who takes time out of their busy schedule to listen and point us in the right direction. The UA and the GSC will strive to encourage the sponsorship of programs and events that strengthen community on campus and promote inclusivity over isolation.

### Campus Planning

The GSC/UA Student Joint Task Force on the Presidential Search made note of students' desire for "a more holistic approach to MIT 2030 and [a] focus on more than just MIT's academic infrastructure and any commercial development of the surrounding areas." The report went on to discuss the value of "broad community engagement" in the review of "investment priorities with a direct community impact." Building on this recommendation, we seek to develop a more formal feedback process in the early stages of planning for MIT's campus and surrounding neighborhoods. We believe there is significant value in bringing faculty, students, and staff into this nascent stage of project development. By engaging the community long before resource development activities are initiated, we can better ensure stakeholder buy-in and maximally informed stewardship for the Institute.

MIT's history provides several poignant examples which paint a portrait of growing stakeholder involvement and representation. Student participation in planning dates back to the financing of the Walker Memorial Building, where student and alumni donations resulted in the build-

ing's dedication to students in 1916. Since then, we've moved progressively closer to a shared campus visioning process: advancing from the allocation of student space following the construction of the Student Center, to the redesign of New Ashdown immediately before construction, and most recently to the engagement of students and faculty following the MIT 2030 visioning process. These three examples highlight a single trend to be expanded upon, rather than moderated — students and faculty want to take part in a shared dialogue about the vision for the campus and surrounding regions in which they live, work, and play.

Indeed, there is no better juncture than now to publicly address this growing interest in MIT-based citizenship. Recent remarks by Associate Provost Martin Schmidt and Executive Vice President Israel Ruiz point towards a renewed interest in community engagement and demonstrate a desire to develop creative structures or practices to ensure that such interaction is the norm, not the exception.

### Community-based Problem-Solving: MIT as a Living Lab

Beyond simply providing feedback on options posed to the community, we believe that in many areas students and faculty are well-positioned to generate innovative solutions to the Institute's greatest challenges. A recent Tech article on shuttle planning co-authored by the students and faculty on the Committee for Student Life espouses the potential of in-house problem-solving and discusses the value of these efforts as part of MIT's educational mission. This desire to transform MIT into a "living laboratory" is one which we suppor whole-heartedly - not only because it empowers community members to develop a sense of institutional civic ownership, but also because we believe the marriage of expert administrative guidance and management with MIT-style creative thought and problem solving is a profound partnership which cannot be surpassed by any single group proposing solutions alone.

The Institute's recent drive towards interdisciplinarity and entrepreneurship has already paved the way by bringing us together and acknowledging the potential of diverse groups to change the world with their ideas and expertise. We challenge MIT to go beyond simply encouraging involvement outside the Institute by embracing the opportunity for community members to shape the world around them, right here at MIT. The areas of sustainability, student spaces, transportation, peer support services, and online education are particularly suited to this living lab approach and represent a chance for students and faculty to assume a more significant decision-informing role. Such an approach could revolutionize problem solving at the Institute and enhance MIT's ability to address internal problems.

### **Presidential Transition**

The Presidential Search process has been a prime example of successful stakeholder engagement — the faculty, undergraduates, and graduates have all been actively involved in shaping the discussion regarding our next president. Such inclusivity at the highest levels of Institute decision-making explains why MIT continues to serve as a role model for other universities in the U.S. and around the world.

The report completed by our joint task force on the Presidential Search included a high-level analysis of the climate and priorities of the Institute along with the qualities desired in a President to meet MIT's needs. We view the report's comprehensive recommendations as a foundation upon which to continue this introspective journey. When we look inwards into our community, what do we see as the state of the Institute? When we look ahead into the future, how can we position ourselves so that MIT will continue to stay on the cutting-edge of education, research, and innovation while continuing to provide an enriching environment for our members?

The GSC and the UA believe that it is our duty to provide the new president an accurate and thorough understanding of the current MIT climate and to offer suggestions for constructive paths forward. We view the transition as an opportunity to welcome the new president, not as undergraduates or graduates, but as one MIT student body, casting off petty differences and removing unnecessary silos in order to coalesce around a longer-term, unassailable vision for the Institute.

### It is our duty to provide the new president an accurate and thorough understanding of the current MIT climate.

### Conclusion

Too often, we forget what makes us great; too often we are distracted by rankings and peer competitiveness, awards and accolades, or patents and publications. In fact, these are all external consequences of a much greater strength: our people. The past, present, and future of MIT is inextricably linked to the individuals who live, study, and work here. The undergraduates, graduates, faculty, and staff are the fundamental resource which we must never cease to value nor fail to assist in the face of competing ambitions. To this end, the Undergraduate Association and Graduate Student Council are resolute in our focus on uniting, developing, and improving the human element at the Institute, across all levels and in all circumstances.

Jonté Craighead '13 and Michael Walsh '13 will be inaugurated as UA president and vice-president this evening. Brian Spatocco G and Aalap Dighe G are GSC president and vice-president.

# SARTSARTSARTSARTSARTSART Captain America (Chris Evans) and Tony Stark (Robert Downey Jr.) in The Avengers.

### Return of the superheroes



### All-star cast and special effects shine in the latest Marvel film

By Jaimie Chung STAFF WRITER

The slew of Marvel superhero movies in recent years has culminated with Joss Whedon's multimillion dollar brainchild, The Avengers. Each Marvel installment had a pleasant dosage of witty lines and heroic bravado, but when all of these characters come together, there is a little too much of everything. Still, the special effects, comical dialogue, and some stellar acting make the movie worth both the money and the time.

After the Tesseract (a cube with unlimited potential energy) is taken into S.H.I.E.L.D. headquarters to be examined, it is stolen by Loki, Thor's exiled brother. Loki has made a pact with an evil alien named the Other to receive an army to conquer the Earth in exchange for securing the Tesseract. With the Tesseract in his possession. Loki flees, and Nick Fury, the director of S.H.I.E.L.D., realizes that the Avengers Initiative must be put in place in order to save Earth. The Avengers, who each have their own reasons for joining forces, must then overcome their differences and unite to save the world.

First and foremost, we can't help but notice the cheesiness. For example, the Other is a gross exaggeration of every movie monster mashed into one, with a costume resembling a nun's habit and blood dripping from his mouth. Then when Loki wreaks havoc at a museum opening and forces the crowd to kneel to him, Captain America swoops in, and one by one, people in the crowd gain the courage to stand up against Loki. Given, in a movie where six superheroes save the world, some kitsch is warranted but at times it seemed a little overboard.

However, plenty of other aspects save the movie from being an all-out cheesefest, one of which is the special effects. Iron Man's suit disassembling as Robert Downey Jr. walks into his tower surpasses any CGI effects in the previous Iron Man movies. In another scene, Loki teleports from Earth to another galaxy as the background changes pixel by pixel from one location to the other. One last triumph is following one of Hawkeye's arrows as it leaves his bow and attaches itself to an alien's hovercraft, and you can see the parts of the hovercraft ignite as it blows into smithereens.

The casting of each character is quite impeccably done. Cobie Smulders of How I Met Your Mother fame rocks a skintight body suit and earns her role as Nick Fury's right-hand-man. Scarlett Johansson brings the cunning qualities of the Black Widow to life and holds her own in the fight scenes. Tom Hiddleston's portrayal of Loki is downright menacing as he grins at his mischievous plans, takes pleasure in removing a man's eye, and rejoices in stabbing his brother.

Unfortunately, all attempts to grasp at a deeper meaning fail. There are a few instances where mirrors and reflections are used to show both sides of a convers tion. During an explosion scene, a camera from inside a car captures the view through the front window as it flips upside down. These shots are so obviously forced that they stand out in the film as attempts to portray different perspectives that the audience doesn't need to see.

Whedon also seems to want to tackle the issues behind war as the superheroes deny being just soldiers a few times throughout the movie. But simply mentioning the fact that soldiers can lose their personal identities in war does not make the movie philosophical -Whedon should just stick to explosions and snarky one-liners.

Overall, however, the movie is a joy to watch. It never drags, and Marvel fans won't be disappointed. A couple television actors smoothly transition to the big screen, and other veteran actors show they haven't lost their touch. Although Whedon attempts to imply a deeper meaning, it isn't as blatant as recent tries to appeal to the masses with some contrived message that is supposed to make audiences think. It was actually refreshing to see an action movie just be an ac-

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### The Avengers pleases audiences with slick action and pithy one-liners

By Maggie Liu STAFF WRITER

When I found out that Marvel was making a movie called The Avengers where they dumped all their famous superheroes together, I figured it was just another franchise film. Marvel films are known for their explosions, ruggedly handsome actors, and romantic subplots. After watching so many of such films, I anticipated the typical formula. While *The Avengers* did follow that formula to some extent, it also showed Hollywood how real entertainment should be done.

Trying to explain the plot line to a friend afterwards, I realized that it sounded like a bad B-movie. You pool half a dozen bigname Marvel Comics characters into a team — crowdpleaser Iron Man (Robert Downey, Jr.), boyishly handsome Captain America (Chris Evans), Nordic muscleman Thor (Christopher Hemsworth), the bookish Hulk (Mark Ruffalo) — oh, don't forget the obligatory femme fatale in a catsuit, Black Widow (Scarlett Johannson) Throw in a dash of villainous alien creatures. Put all of earth in danger of obliteration by said alien creatures and you have your movie in

For those anticipating significant depth in this Marvel movie, I'd recommend you instead head to Kendall Theater for some British indie films. Nevertheless, Avengers turned out to be a hit amongst many moviegoers. Many of my friends still praise it enthusiastically, gushing that it may be "their favorite movie of the year." Was it necessarily thought-provoking and profound like Inception? Not really. Was there some moving pathos that racked the viewers with tears? Not exactly, except perhaps pity at the alien things squelched by the Hulk.

The driving factor of Avengers' success has to lie in the quips and pithy one-liners. Aside from the slapstick comedy that ensues during some of the battle scenes, the dialogue between characters is full to the brim with whiplash humor. A quick snippet from a particularly humorous exchange:

Bruce Banner: "I don't think we should be focusing on Loki. That guy's brain is a bag full of cats. You can smell crazy on him."

Thor: "Have a care how you speak! Loki is beyond reason, but he is of Asgard. And he is my brother."

Natasha Romanoff: "He killed eighty people in two days.'

Thor: "He's adopted."

In retrospect, the humor shouldn't come as a surprise to the audience considering that the screenplay writer is Joss Whedon, renowned for his Buffy the Vampire Slayer series and other sensational, well-scripted shows such as Firefly.

The best part of *The Avengers* is probably having a hero everyone can relate or aspire to on some level. Watching the film with a theater full of MIT students resulted in catcalls and applause every time Tony Stark came onstage. Furthermore, for those who have watched Marvel films before, it's a treat to see how their favorite characters would interact. I imagine it's a bit like Fantasy Foothall except with Marvel Comic superheroes

Although I anticipated that most of the attendees would be fan boys, I found myself fairly pleased with the selection of eye candy in the male cast. For the ladies whom action is not usually a favorite genre, fear not! Evans and Hemsworth will keep your eyes glued to the screen and you will find yourself cackling at Downey Jr.'s charisma and smartalecky remarks.

The Avengers proves to be a slick Blockbuster and truly deserving of the entertainment film label. With high energy and comedic moments, it delivers a thrilling two hours' worth of fun. It's definitely worth a \$10 ticket to the theater on a Friday night.

### The Avengers

**Directed by Joss Whedon** 

**Starring Robert Downey** Jr., Chris Evans, and **Scarlett Johansson** 

Rated PG-13

**Now Playing** 

**RESTAURANT REVIEW** 

### Mother, I'm hungry

### Hungry Mother is a treat for your tastebuds

By Fabiola Michel

STAFF WRITER

Just a month before the end of the semester — and my life at MIT — I decided to go out and have a nice, stress-relieving dinner. On Tuesday we went to Hungry Mother, a tiny restaurant just in the corner of Portland and Bristol streets, in front of the Kendall Square Cinema. I discovered it by luck and since then I had always planned to visit it. What an amazing surprise!

That Tuesday, I made a reservation for two and smiled; I had a date for dinner and I was going to finally meet with the Hungry Mother. I put on my red lipstick and biked there. It was nice to discover that the restaurant is unpretentious, simple, and comfortable.

The menu had changed since I first saw it. Before, the dishes were clearly winter cuisine: duck, marrow, and pork chops. Now — even though the month of May is still surprisingly chilly — there are fishes and fruits de mer, along with pork and lamb. The chef uses regional and seasonal products to conceive interesting creations and changes the offer every month or so.

My boyfriend chose the grilled pompano. It was a whole fish with ortanique segments (the ortanique is an orange-tangerine hybrid) and a soy-lemon sauce; the flavors were a perfect balance between acidity, saltiness, and sweetness. On the side there were tempura fiddleheads: It was the first time we saw one of those curly veggies, but we loved their flavor with little reminders of asparagus and

baby spinach.

I had a slow-roasted curried leg of lamb with small red beans, mint leaves, and little pieces of peanut. On the top were cucumber strips with crème fraiche that brought a little freshness to the richer, yet very tender, lamb. It was comfort food at its best.

Our table neighbor could not stop talking about the high quality of his entire dinner; for his third course he had ordered catfish fillet with pecan meuniere sauce served with rice, sea island red peas, and lemon brown butter.

Choosing a dessert proved to be difficult even though the menu only gave us three choices. We debated between a bacon upside-down cake and butterscotch pot de crème. But when and where we would we ever have the chance to eat a bacon cake

Hungry Mother
Kendall Square, Cambridge
Dinner: Tuesday-Sunday
5–10:30 pm

again? Our choice did not disappoint. The simple, fluffy cake, topped with chunks of delicious caramelized bacon and served with mandarin segments and vanilla whipped cream, was pure heaven.

Our whole experience at Hungry Mother was outstanding. Even though it is pricey, it is completely worth it. I cannot wait to bring my family there and enjoy a new menu.

### **Culture versus politics**

### Author Marjane Satrapi discusses life, and Persepolis

By Yü Linlin Huang

I didn't really know what to expect when I went to the Museum of Fine Arts to hear a talk by Marjane Satrapi. After all, I had only heard of her from a discussion in my French IV class that same week when we watched her movie *Persepolis*.

She began her talk with a certain F-word, probably to loosen the crowd, and that's when I realized this was not going to be the traditional, boring speech that I had expected. My friend Arturo S. Campos, who also went to meet Satrapi commented, "I really didn't expect her to be so funny and engaging."

She was in fact very funny and also insightful in her understanding of cultural tidbits. This is in part because she says exactly what she thinks, and she doesn't try to buffer it into something more politically correct. In fact, she avoids politics altogether, saying that

it is not in her realm of work as a writer.

Primarily, she spoke about her debut masterpiece *Persepolis*, which is about her own experiences growing up in Tehran. Satrapi grew up amidst communist and socialist movements in Iran prior to the Iranian Revolution. As a child, she witnessed how the oppression brought on political unrest. Her autobiographical graphic novel *Perspepolis* refers to the great ancient capital of the Persian Empire in name only; its content depicts the grim life of children growing up in a post-utopian power struggle between political forces

To me, *Persepolis* is more of a memoir than an autobiography. Not only does she tell her story in comic form, but her informal choice of language and use of hyperbole also allow the reader to make a more intimate connection to her story. The English version of *Persepolis* came in two installments: The first describes her childhood in Tehran, and

the second describes her life in Vienna as a teenager. Personally, I love the minimalist black and white theme of the book. The art form is simple yet provocative in the story it tells. During her talk, Satrapi said that it took years for someone to finally convince her to make a movie out of her book: "When you make a movie out of a book, the movie always turns out bad," she explained. However, when her book was finally made into a movie, she was the director. Seeing *Persepolis* the movie is like watching the comic characters come to life. The movie, like the book, is minimalistic and is almost entirely in black and white.

It may be surprising that as the author of such a book as *Persepolis*, which takes its roots in politics, Satrapi refuses to comment when a journalist asks her about her views on the current political atmosphere of Iran. As a writer, she believes it is not her job to be a political commentator. On the other hand, it

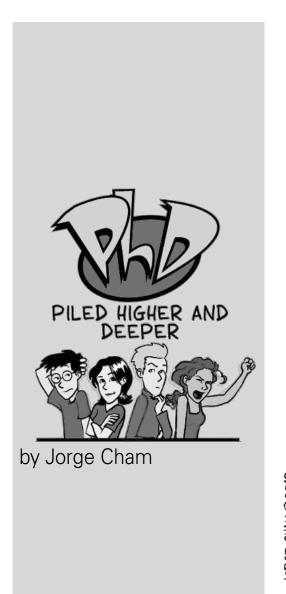
### *Persepolis*Marjane Satrapi

is her objective to create cultural understanding between the Eastern and the Western worlds. She commented that "many people in the west ... when you say you are from Iran, they view you as an animal." This is why, in *Persepolis*, she denied her nationality when she was studying in Vienna. With *Persepolis*, she hopes to generate tolerance between people of all nationalities, and show that her story is universal.

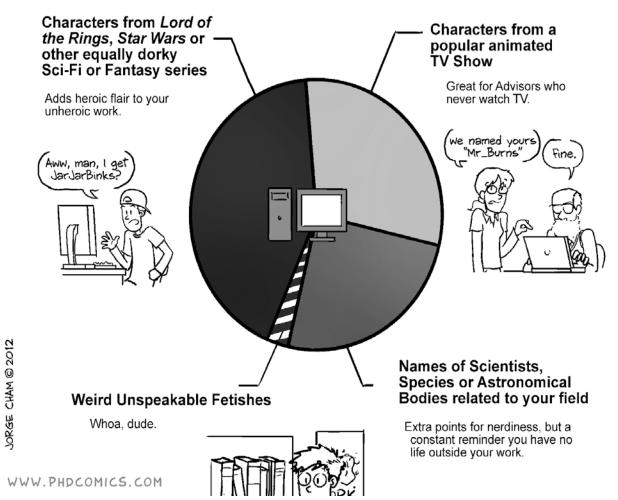
In addition to *Persepolis*, Satrapi has authored several other graphic novels. Some of her books are geared towards children, like *Les Monstres Naiment Pas la Lune*. Another book, *Poulet aux Prunes*, was released to theaters in 2011.







### MOST POPULAR THEMES FOR NAMING YOUR LAB/OFFICE COMPUTERS



### Saturday Stumper by Brad Wilber

Solution, page 13

### **ACROSS**

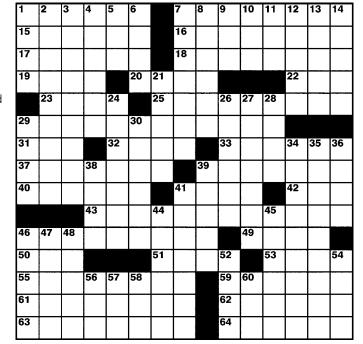
- 1 Kingdom splintered by the
- Norman Conquest
- 7 Existing only in outline 15 US Grant alma mater
- 16 Changer of locks
- 17 White of the eye
- 18 Aeschylus trilogy 19 Row
- 20 Incredulity trigger
- 22 Card complement in a standard Rorschach test
- 23 Go full tilt
- 25 Causes to shiver
- 29 Reminisce
- 31 Band with Eastern origins
- 32 Presently
- 33 Comprehensive
- 37 Novelist named for Emerson
- 39 Chemical plant graffiti, perhaps
- 40 Tackles successfully
- adjective 42 Eminem mentor, familiarly
- 41 Spy-movie review
- 43 Flip-top collectible

- 46 Backgammon variant
- 49 Skinny
- 50 Cell-phone range
- 51 Game played in All Quiet on the Western Front
- 53 Little range rover
- 55 Get too near
- 59 Spanish pianist on the Hollywood Walk of Fame
- 61 Rubberneck
- 62 Spice shop implement
- 63 Acquired kin
- 64 Gave grief to

### **DOWN**

- 1 Goodness Had Nothing to Do With It memoirist
- 2 Tightly wound
- 3 Recurring theme in Lost Generation fiction
- 4 Lead role in The Vampire Diaries
- 5 Profit augmentation
- 6 Break confirmation 7 Bagpiper's accessory
- 8 Ear piece
- 9 "... \_\_ thou and peace may

- meet": Shelley \_ Cristianos (Canary
- Islands resort)
- 11 Letters on a business card
- 12 Show a relationship with 13 Rhyme for "true" in "Red River Valley
- 14 Wasn't vertical
- 21 Heed
- 24 Made the butt of many iokes
- 26 Breakfast item with a stem
- 27 Flew
- 28 Graham Bell, for one
- 29 Frequent country song subject
- 30 Drop off
- 34 People prone to pouting
- 35 Pleasing
- 36 Gargoyle feature
- 38 Kindergarten game
- 39 Average booster
- 41 They often run on cable news shows
- 44 Prepared to reuse, with



- 45 Uncomplicated
- 46 Some Monopoly tokens
- 47 Celebrate in song 48 Return option
- 52 Contents of some jars
- 54 Invented things
- 56 Sever
- 57 Word on quarters
- 58 Or substitute
- 60 Kenyan export

A WEBCOMIC OF ROMANCE,

by Randall Munroe

SARCASM, MATH, AND LANGUAGE

### [1053] Ten Thousand

I TRY NOT TO MAKE FUN OF PEOPLE FOR ADMITTING THEY DON'T KNOW THINGS.

BECAUSE FOR EACH THING "EVERYONE KNOWS" BY THE TIME THEY'RE ADULTS. EVERY DAY THERE ARE, ON AVERAGE, 10,000 PEOPLE IN THE US HEARING ABOUT IT FOR THE FIRST TIME.

FRACTION WHO HAVE = 0%

FRACTION WHO HAVE  $\approx 100\%$ HEARD OF IT BY 30

≈ 4,000,000/year US BRTH RATE

NUMBER HEARING ABOUT IT FOR THE FIRST TIME

IF I MAKE FUN OF PEOPLE, I TRAIN THEM NOT TO TELL ME WHEN THEY HAVE THOSE MOMENTS. AND I MISS OUT ON THE FUN. DIET COKE AND MENTOS THING? WHAT'S THAT? OH MAN! COME ON, WE'RE GOING TO THE GROCERY STORE. WHY? YOU'RE ONE OF TODAY'S LUCKY 10,000.

one about the Yellowstone supervolcano for the first time.

Saying 'what kind of an idiot doesn't know about the Yellowstone supervolcano' is so much more boring than telling some-

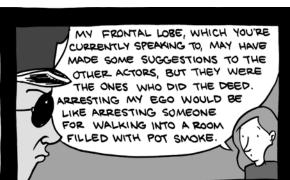














### Sudoku

Solution, page 13

		2	7		3		4	
	9	8		1				
7		5						
	4		1			9	6	3
		9		6		2		
2	6	1			9		5	
						3		8
				3		4	2	
	2		4		8	6		

exactly one of each of the digits 1 through 9.

### Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains

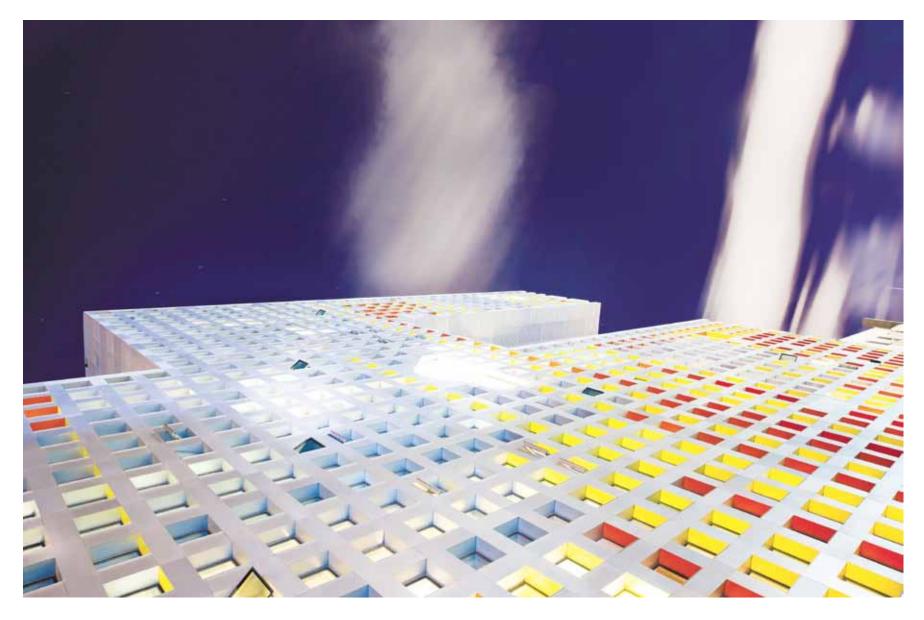
### Techdoku

Solution, page 13

30×			11+		3–
192×			12×		
		3	<b>-</b>	11+	
450×		4	•	6×	
	17+			12+	
	2	]			

10 THE TECH TUESDAY, MAY 15, 2012

### **Institute Double Take**



By Manohar Srikanth

STAFF PHOTOGRAPHER

The idea behind the shot was to get the wide angle perspective of the Simmons Hall, with trail of clouds in the background. The vertical facade, because of the camera position and perspective, gives the illusion of a horizontal surface. To get the type of cloud trails displayed here, the sky needs a variety of scattered moving clouds. The camera needs to be set for a long exposure, typically minutes, depending on the desired length of trails and current speed of clouds.

For this photo, the camera was put on remote bulb mode to expose

for 95 seconds. The aperture was set to f/9 so that the depth of field is wide and also to reduce the amount of light coming into the camera over the long exposure. The focus was set to hyper-focal length corresponding to f/9, to obtained reasonable overall sharpness. Because the facades are not uniformly illuminated, a hand held flash gun was fired to fill light in darker areas. A sturdy tripod was used to avoid blurring due to wind.

The editing steps involved correcting for exposure by editing the curves. The saturation was boosted to bring out the details in the colored windows. The image was edited in Photoshop to remove branches of the trees on the top side of the image.

Aperture: f/9.0 **Exposure Time:** 95.0 sec. Sensitivity: ISO 200 **Effective Focal Length:** 

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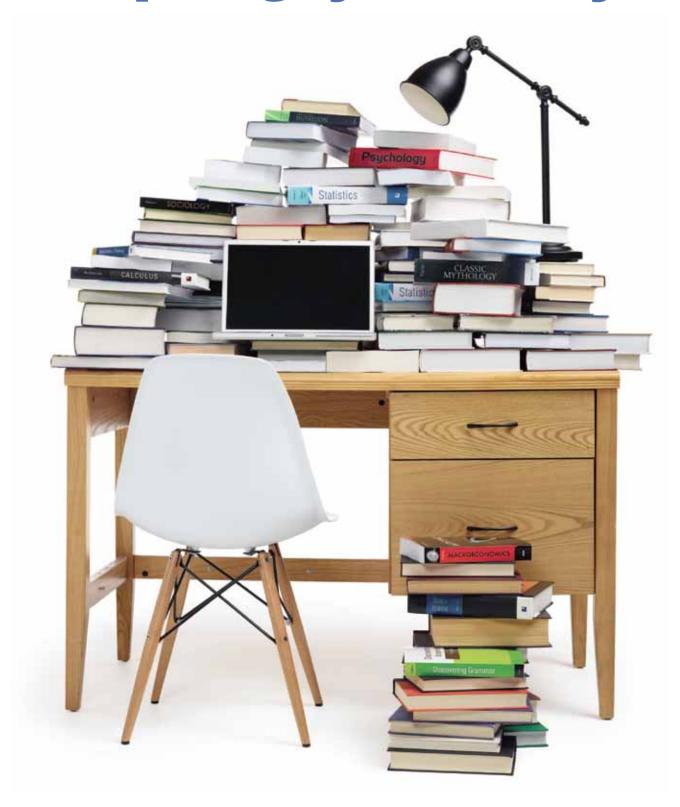
Varun K. Ganesan '14 and Aditya S. Kalluri '13 open the Brohmance a capella concert, put on by



Rebecca A. Vasquez '12 demonstrates the Narrow Rickshaw project at the D-Lab showcase at the MIT Museum on Saturday.

Tuesday, May 15, 2012
The Tech 11

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### Review of CoolChip and CEP concluded

CEP '12 rules revised accordingly

CoolChip, from Page 1

sequently automatically entered in the MIT \$100K Business Plan Contest.

In August, questions regarding the startup's integrity on a matter of intellectual property were raised by an article in the Chronicle of Higher Education. It claimed that CoolChip's prizewinning cooling technology was actually Sandia's device, designed by researcher Jeffrey Koplow, and that CoolChip had misrepresented the technology as their own without proper citation. CoolChip and Sandia have since then resolved the attribution issue — Sandia has "informed [CoolChip] how to easily reference Sandia work in the future without implying our endorsement for their work," Sandia spokesperson Michael Janes wrote in an email to *The Tech* in September.

Finding that CoolChip did properly reference the inventor of the technology throughout the written and oral components of the CEP, Grimson concluded that CoolChip did not violate the CEP's rules. However, the review also said that, outside the scope of the CEP itself, CoolChip should have cited the source of materials, which they neglected to do in some public presentations.

Addressing the broader situa-

tion, Grimson's report stated that the CEP rules needed to be clearer, and MIT "needs to do a better job ensuring that entrants to ... student-run competitions understand ethical issues concerning intellectual property."

According to Grimson, the 2012 Clean Energy Prize rules were already revised to include a "much more precise definition of intellectual property rights," as well as to resolve some internal inconsistencies.

On how to address a possible disconnect between the written rules governing student-run competitions and how those rules are actually implemented, Grimson said that these events are "learning experiences," so administrators would rather not strictly regulate every aspect of every group. Instead, he is encouraging faculty supervisors to emphasize the importance of these ethical issues and has discussed their implications with the leaders of some of the larger events on campus to increase visibility.

In addition to working with the organizers of the CEP, Grimson has also discussed entrants' understanding of intellectual property rights with the 100K directors, and he believes that they have "reacted to those concerns and issues as well."

"We have so many student groups and student-run competitions, and we tend to offer a lot of freedom to those groups," said Grimson, "but outreach to the larger events, such as the 100K, will raise visibility of the issues."

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TUESDAY, MAY 15, 2012 **THE TECH 13** 

### Warnings said to be unheeded by JPMorgan Chase Risk controls not sufficiently strengthened, bets placed not fully understood, some claim

By Jessica Silver-Greenberg and Nelson D. Schwartz

THE NEW YORK TIMES

In the years leading up to JPMorgan Chase's \$2 billion trading loss, risk managers and some senior investment bankers raised concerns that the bank was making increasingly large investments involving complex trades that were hard to understand. But even as the size of the bets climbed steadily, these former employees say, their concerns about the dangers were ignored or dismissed.

An increased appetite for such trades had the approval of the upper echelons of the bank, including Jamie Dimon, the chief executive, current and former employees said.

Initially, this led to sharply higher investing profits, but they said it also contributed to the bank's lowering its guard.

There was a lopsided situation, between really risky positions and relatively weaker risk managers,"

said a former trader with the chief investment office, the JPMorgan unit that suffered the recent loss. The trader and other former employees spoke on the condition of anonymity because of the nature of the investigations into the trading losses.

Instead, the bank maintains that the losses were largely the fault of the chief investment office. Overall tolerance for risky trading did not increase, current executives said, just the scale of the office's activities because of the bank's acquisition of Washington Mutual in 2008 and its more risky credit portfolio.

Despite Dimon's recent apologies about the losses, which will most likely be repeated Tuesday as JPMorgan shareholders gather for the company's annual meeting in Tampa, Fla., regulators will scrutinize risk management at the chief investment office.

Top investment bank executives raised concerns about the growing size and complexity of the bets held by the bank's chief investment office

as early as 2007, according to interviews with half a dozen current and former bank officials. Within the investment office, led by Ina Drew. who resigned Monday, the bets were directed by the head of the Europe trading desk in London, Achilles Macris.

Macris, who is also expected to resign, failed to heed warnings as early as 2009 from the unit's own internal risk officer, said current and former members of the chief investment office. Macris and Drew were not available for comment.

Under Dimon's stewardship, JPMorgan Chase has long had a reputation for its strong risk-management abilities — indeed, it came through the 2008 financial crisis largely unscathed, unlike many big banks. For their part, senior bank officials Monday disputed the assertions that the company weakened risk management in recent years while seeking higher trading profits.

Risk managers were largely sidelined by Macris, who had wide latitude and also had Drew's support, with only modest interference from her. At one point, after concerns were raised about positions assembled by Bruno Iksil, now known as the London Whale, Macris brought in a risk officer with whom he had worked closely in the past.

Risk officers are empowered to halt trades deemed too dangerous, so the coziness of the arrangement generated talk in New York as well, according to the former trader within the chief investment office.

Several bankers said that risk controls were not sufficiently strengthened by Doug Braunstein, who took over as chief financial officer in 2010, another reason the bolder trades continued.

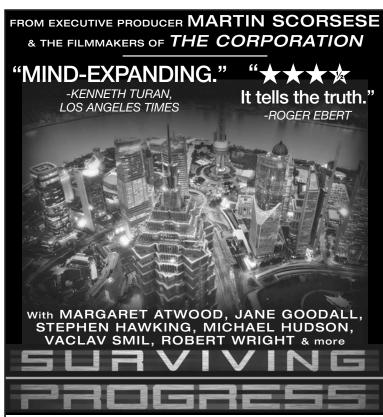
The bank disputes that Braunstein tolerated additional risk in any way, said Joe Evangelisti, a spokesman for the bank.

David Olson, who headed up credit trading for the chief investment office until December, said that in his trading "the management was very involved and the risk controls were very strong."

Part of the breakdown in supervision, current executives said, was a fundamental disconnect between the chief investment office in London and the rest of the bank. Even within the chief investment office there were heightening concerns that the bets being made in London were incredibly complex and not fully understood by management in New York.

Despite these concerns, the scope of the chief investment's offices trades widened sharply following the acquisition of Washington Mutual at the height of the financial crisis in 2008.

Not only did the bank bring with it hundreds of billions more in assets, it also owned riskier securities that needed to be hedged against. As a result, the business's investment securities portfolio rapidly grew, more than quadrupling to \$356 billion in 2011, from \$76.5 billion in 2007, company filing show.



More at www.FirstRunFeatures.com

Solution to Sudoku

6	1	2	7	8	3	5	4	9
4	9	8	2	1	5	7	3	6
7	3	5	9	4	6	1	8	2
8	4	7	1	5	2	9	6	3
3	5		8	6		2		
2	6	1	3	7	9	8	5	4
5	7	4	6	2	1	3	9	8
9	8	6	5	3	7	4	2	1
1	2	3	4	9	8	6	7	5

**Solution to Crossword** from page 8

WESSEX SKELETAL

EXETER PEROXIDE

SCLERA ORESTEIA TIFF YARN TEN
TEAR CREEPSOUT
WAXNOSTALGIC ELLISON ECOTAGE
SEESTOTAUT DRE
PEZDISPENSER
ACEYDEUCY DOPE SKAT FOAL ONLOOKER STEPDADS PESTLE

### Solution to Techdoku

2 6 5 6 6 5 2 4 3 4 4

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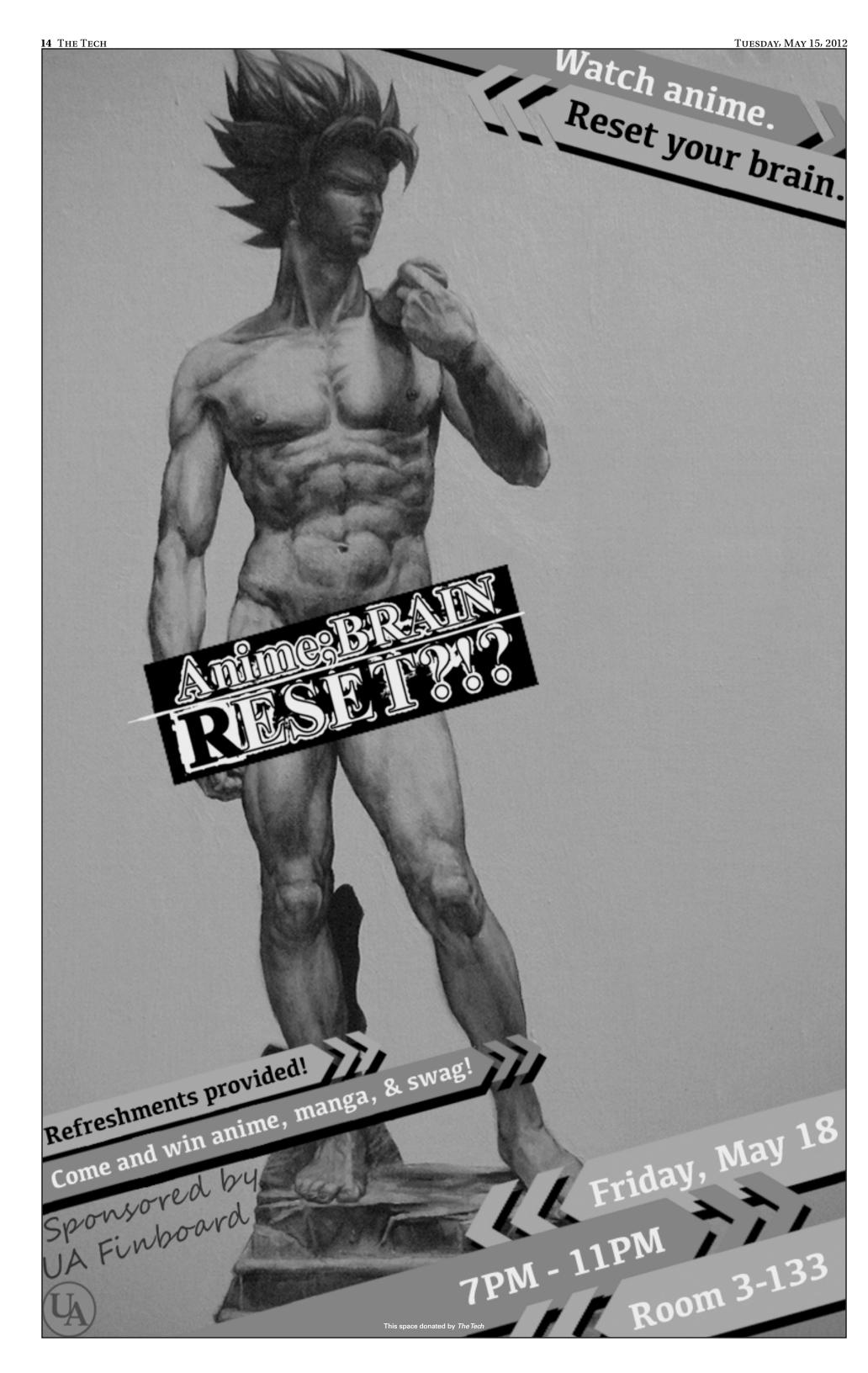
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SASSED



(2673)



### No charges for driver

### More details of the accident released

Kyaw, from Page 1

Massachusetts law requires bicycles to have a front light at night.

Kyaw's 21-speed bicycle appeared to be set at the gear combination that was as hard to pedal in as possible, indicating travel "at a fairly fast pace," police report #5 said. On the other hand, if Kyaw was intending to turn left and was approaching a red light, it is also possible he was slowing down, or had even come to a

### Truck driver's narrative

According to Cambridge Police Report #1, the truck driver "stated that he was travelling westbound on Mass. Ave. when he attempted to take a right turn onto Vassar St. [The driver] said that the light was green and his right directional light was on. Moments later, [he] said he felt the impact of something hitting his truck. He stopped and got out of his truck

to investigate and observed that he had been in a collision with a bicycle."

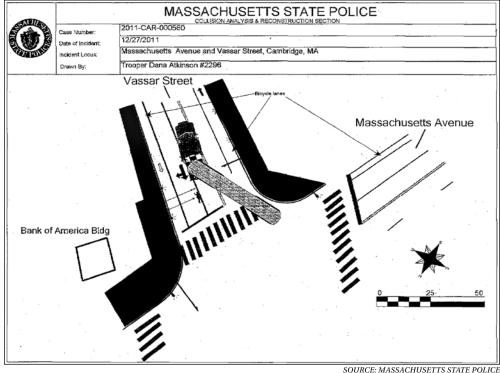
According to the reconstruction report, MIT provided video that showed the truck did activate its right directional signal. (Presumably this video came from the exterior video cameras mounted on Building 42, the Central Utilities Plant at 59 Vassar Street.)

Several phone calls to the driver's home number yesterday afternoon were not returned.

A person answering the phone at J.P. Noonan Transportation Inc., the owner of the truck, referred inquiries to a dispatcher identifying himself only as "Larry." Larry stated he was not aware that the investigation had completed.

Larry Noonan is listed as the secretary and director of the company, and also as the company's sales manager. Larry Noonan and terminal manager Paul Noonan did not respond to email inquiries sent yesterday afternoon.





Above: A wide angle shot of Kyaw's bike and the tanker truck at the scene of the accident. Below: The State Police's collision analysis and reconstruction drawing of the accident.



Kyaw's bike crushed beneath the tanker truck

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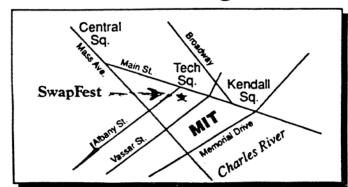
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**16** The Tech

Tuesday, May 15, 2012

# MELISSA RENÉE SCHUMAKER—THE TECH

A "white cone" antenna, top center, will support enhanced cell phone reception inside MIT buildings.

### IS&T deploying cell antennas

### Signal amplifiers to be installed in three phrases

By John A. Hawkinson

Information Services and Technology is deploying antennas and amplifiers in buildings across campus to improve cellular reception.

IS&T is targeting deployment in over 100 buildings on campus in three phases, according to Christine C. Fitzgerald, a spokeswoman for IS&T, over the course of several email messages.

IS&T refused to provide a list of buildings where deployment was complete to *The Tech*. According to Fitzgerald, the first phase of 50 buildings was "just about done" in late March, and the second phase of 50 buildings would be next. The project is targeted to finish by December 2013, with the third phase covering the "remainder of buildings" after the first 100.

The Tech has observed these antennas, which look like white cones, in buildings 56, 38, 54, as well as Albany Garage, building N4. Deployment was first noticed in October.

IS&T said the project is being done in partnership with AT&T,

though the system installed is "carrier independent."

The deployed equipment appears to be active on 700 MHz (AT&T and Verizon) and 2100 MHz (AT&T and T-Mobile), according to labeling on some of the equipment. (A third set of unlabeled equipment suggests a third frequency band is supported as well.)

### IS&T is targeting deployment in over 100 buildings on campus.

IS&T declined to discuss the cost structure of the project, and would not say whether MIT was paying AT&T, or vice versa.

Fitzgerald said that MIT's agreement with AT&T "primarily" precluded disclosure of "details of cost and who is paying for what," but would not explain why MIT had negotiated a non-disclosure with AT&T in this case. She also declined to define the payment flow in broad strokes, such as explaining who was

paying for equipment and who was paying for installation services.

IS&T did say that "each carrier has to work and come to an agreement with us and AT&T," referring primarily to Sprint and Verizon. Those carriers "will need to decide if they need to improve their coverage for the MIT buildings and they will have to fund the work and install, setup, test, and tune the system as well."

IS&T said that the antennas were placed based on AT&T's engineering models of coverage. IS&T declined to provide any data on the planned coverage patterns, or to discuss whether there had been a density study or other assessment of current operating conditions throughout campus.

IS&T said last week that MIT had weeks ago issued a statement to the *Boston Globe*: "Information Services & Technology at MIT is always interested in ways to improve connectivity, and IS&T has been working with AT&T as part of an ongoing project to enhance 'in building' cell communications around campus."

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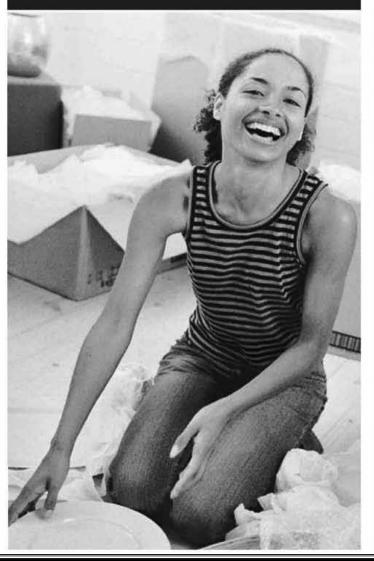
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### Baker vandal unidentified

Dorm residents were evacuated for the night

Baker, from Page 1

Hoffman later confirmed was a respiratory hazard.

"When we got to the lobby, it looked like it was full of white smoke," said third-floor resident Elizabeth M. Albany '13, who at first thought the smoke was from a fire. "My nose and throat started burning from the discharge that was in the air," Albany said, though she went through "quickly enough" that there were no lasting effects.

Colleen K. Gabel '15, who also lives on the first floor Matthews, said that the smoke was "powdery" in the air, and that many of her neighbors also thought it was from an fire.

### On Sunday night, the Baker House minutes said that there were no leads on the 'evil fire extinguisher man.'

Students waited for around 20 minutes to get back inside, said Gabel, until the housemasters explained the situation to the cold, sleepy crowd, saying that they would not be allowed back in for "a while." After being notified that it was not known when the cleanup crew would arrive, the students "took over the Student Center with blankets and pillows," said Albany, adding that the housemasters did not suggest any location to go to.

The house team kept the residents updated with email throughout the morning. A 6 a.m. message from Hoffman said that they were waiting for a professional clean-up crew, but did not know how long it would take them to "arrive or render the building safe." The incident was one of "pure vandalism," Hoffman said, and mentioned that the discharge was "still creating a respiratory hazard."

Despite the health hazard, the house team let students in for five minutes each to get belongings from their rooms, according to Plasmeier. Albany said that the residents on the track & field and crew teams had competitions that day, and needed to get belongings from their rooms. According to Albany, the process was overseen by the housemasters and Facilities workers, who made sure that residents signed in and out on their way to their room,

At 8 a.m., around when the clean-up crew arrived, Hoffman reported that there was still no update on how long the clean-up would take. There was a light breakfast in McCormick for Baker residents, where they could wait until they could safely return to Baker.

At 9:45 a.m., the dorm was finally ready for students to return after the halls had been vacuumed by an environmental cleanup service, said an email from Hoffman. In a later email, Hoffman encouraged students to "get medical attention" if they experienced any "unusual feelings in their lungs, throat, or nose."

On Sunday night, the Baker House minutes said that there were no leads on the "evil fire extinguisher man," but that anyone with information should contact Plasmeier or the housemasters. Plasmeier also said on Monday that he was not aware of any students with respiratory issues as a result of the incident, and that Baker was not taking any measures to more heavily enforce the pulling of fire extinguishers, citing existing punishment at the Institute and governmental

"Students are generally upset with what happened and angry with the person who did it," added



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TUESDAY, MAY 15, 2012 18 THE TECH

### Predictions for the NBA Conference Semifinals

By Austin Osborne & Nidharshan Anandasivam

SPORTS STAFF

### (8) Philadelphia 76ers @ (4) **Boston Celtics**

It just doesn't get much better than this. A matchup of two franchises with a well-established rivalry, from the days of Wilt Chamberlain and Bill Russell to Julius Erving and Larry Bird, the 76ers and Celtics go way back. As of late, the Celtics have dominated the Sixers, especially since Kevin Garnett and Ray Allen arrived in Boston, but this year, it appears Philadelphia may be competitive again. The 76ers have taken two of three in the season series this year against the Celtics, with both wins coming in blowouts. In all fairness to Boston, the first loss was after two straight overtime games and both were on the second night of a back-to-back. The Celtics struggled with Atlanta's athleticism in the first round, but in the end, Boston's playoff experience simply wore down the Hawks. Almost no one expected the 76ers to be in this position at the beginning of the playoffs, but after Andre Iguodala's clutch free throws with 2.2 seconds remaining to send Chicago home, Philly looks to continue its improbable run.

Like the 76ers-Bulls series, the mantra of this matchup is "Defense, Defense," Boston

and Philadelphia are ranked 2nd and 3rd respectively in points allowed per game this season. With the brand of suffocating defense both of these teams play, rebounding and second chance points will be

key in this series. Unfortunately for Boston, they are statistically the worst rebounding team in the NBA, averaging fewer than 39 per game. The 76ers, on the other hand, are actually quite a good rebounding team, ranking seventh in the league. Philadelphia has two great perimeter defenders in Evan Turner and Andre Iguodala, but Boston has two of the best perimeter scorers of all-time in Ray

Allen and Paul Pierce. There's no doubt that Allen and Pierce will "get theirs," but Turner and Iguodala should be able to control the damage for the majority of the se-

ries. The key matchup will be between Rajon Rondo and Jrue Holiday. If the 76ers can get the same production out of Holiday that they got from him in the beginning of the Chicago series, the Sixers will have a great chance to **MIAMI** take a trip to the Eastern Conference Finals,

but if he allows Rondo to consistently find open teammates and control the series, Boston will move on.

Prediction: 76ers in 6 —Austin Osborne

Rajon Rondo, who might have been considered the weak point in the starting lineup of the '08 Celtics championship team, is now one of the premier point guards in the league and may be the most valuable player in the Celtics this year. His consistent ball security and well-placed passes have propelled the Celtics this far and will probably be a factor in winning against the 76ers. Along with Rondo, Paul Pierce, and Kevin Garnett, who are certainly not as adept as they were during their championship run, have been performing well late in games, when it matters

most. The 76ers, fresh off their win against the Bulls, are playing with tremendous confidence despite being the eighth seed in the Eastern Conference. If Andre Iguodala, Jrue Holiday, and Evan Turner can manage to

maintain a high perimeter shooting percentage, expect the Celtics to have a difficult time closing the 76ers out early in the series.

Prediction: Celtics in 7 —Nidharshan Anandasivam

### (3) Indiana Pacers @ (2) Miami Heat

The Miami Heat continue their quest for their first championship in Indiana with a matchup against the Pacers. The two teams met four times in the regular season with Miami taking three of the games, one of which being an

overtime thriller in which Heat star Dwyane Wade hit a buzzer beater, propelling the Heat to a 93-91 win. This season, Miami met many of their preseason expectations, winning 46 games and locking up the No. 2 seed in the Eastern Conference. They also

took care of the seventh seeded New York Knicks handily, ousting them in five games. The Pacers also disposed of the Dwight Howard-less Orlando Magic in five games, but their outstanding play this season has been the surprise of the league. They burst onto the scene early in the year with an All-Star effort by center Roy Hibbert and the emergence of second year guard Paul George and haven't looked back.

The Heat are a tough matchup for any team, and the Pacers are no exception. It's hard to find perimeter players to compete with the talent and athleticism LeBron James and Dwyane Wade bring to the table every night. Out of the teams remaining in the East, however, Indiana has the best chance to oust the Eastern Conference favorites, due to their post presence. If they can control the pace of the game and prevent Miami from running in the open court (where they have been, for all intents and purposes, unstoppable this season), they may be able to take advantage of Roy Hibbert's matchup against Miami center Joel Anthony. Indiana is formidable in the rebounding game, as they rank fourth in the NBA, while Miami ranks 21st. The Heat also play stellar defense, so the Pacers must take advantage of each of their offensive possessions, and they cannot be careless with the ball. They need to force Miami into isolations in the half court, where at times they can struggle, when Wade and James cannot get shots to fall. With all of that said, I still don't think this Pacers team (or any team that isn't from Oklahoma City, for that matter) can compete with the athleticism of the Heat. That does not mean that the series won't be close and won't have its tense moments, because it will. The Pacers will give Miami a run for their money, and they'll surprise some people in the process, but in the end, King James rolls on.

Prediction: Heat in 6 -Austin Osborne

The Heat, after entering the postseason this year with memoes of their loss last vear in the Finals, have established a solid presence by comfortably winning their first round series against Carmelo Anthony and the Knicks. Expect them to keep it up and post some more comfortable victories against the Pacers. Although the Pacers won their first round series

in five games, it is important to note that they faced a Magic team without superstar Dwight Howard. The Pacers defense will not be prepared to defend against the driving and scoring of

LeBron James and Dwyane Wade, the outside shooting of Miller, Chalmers, and Battier, and the mid-range shooting of Chris Bosh.

Prediction: Heat in 5 —Nidharshan Anandasivam

### Oklahoma City Thunder

The Lakers took longer than expected to finally take down the pesky Denver Nuggets, but they got the job done in seven games and look to continue their playoff run into Oklahoma City. They relied on the stellar post play of Andrew Bynum and Pau Gasol to turn the pivotal Game 7 while Kobe Bryant did not appear to be himself as he recovered from an illness that he contracted before Game 6. This series should be particularly interesting because although it may be viewed as an advantage that the Thunder swept the Mavericks and got a week off to rest while waiting for their opponent, it would not be surprising if OKC came out flat to start the series, and the Lakers were able to ride their momentum to an early win or two. Don't expect this series to be played nicely either. During the second quarter of these teams' April 22 matchup,

Lakers forward Metta World Peace, formerly known as Ron Artest, intentionally elbowed James Harden, caus-

ing Harden to immediately crash to the floor and undergo concussion screening. World Peace subsequently received a seven game suspension.

The Thunder match up well with many teams in the NBA. They have two outstanding post defenders in Kendrick Perkins and Serge Ibaka, a legitimate superstar scorer in Kevin Durant, an elite perimeter defender in Thabo Sefolosha, and a scoring point guard who can light up any team on any given night in Russell Westbrook. As if all that wasn't enough, they also currently employ the newly-named sixth man of the year, James Harden, who would start for most teams. It's fairly safe to say that the Thunder are stacked. The Lakers, on the other hand, have an aging roster outside of Andrew Bynum, and they, like the Celtics, may be on their last few legitimate title runs for a while. The midseason acquisition of Ramon Sessions helped solidify the point guard position, but it still remains a weak spot in an otherwise solid Lakers starting lineup. The obvious answer for the key matchup in the series

would be the battle of the scorers, Kobe Bryant vs. Kevin Durant. However, both players should neutralize each other, and neither will be solely responsible

for their team winning the series. This series will be decided by the bench players, the category in which the Thunder have a massive advantage, simply by having Harden. Even though the Thunder are the worst post scoring team in the league averaging just 23 points in the paint per game, Russell Westbrook's quickness in the half court (provided that he makes good decisions, which is not always a given) should remedy that weak area for the Thunder.

Prediction: Thunder in 5 -Austin Oshorne

With Kevin Durant and Russell Westbrook doing a lot of the scoring, Serge Ibaka and Kend-

rick Perkins playing solid defense

in the post, and Thabo Sefolosha defending the perimeter, the Thunder have proven to be hard to beat. However, the Lakers, even after coming off a long series against the Nuggets, will be tough

to defend. In the post, Pau Gasol and Andrew Bynum, who has improved his rebounding and defending in the paint, will be a handful for the Thunder big men. The clutch scoring of Bryant and Durant in the waning moments of the fourth quarter will probably decide which team wins the series. Expect the Thunder to win in six hard-fought games.

Prediction: Thunder in 6 —Nidharshan Anandasivam

### (5) Los Angeles Clippers @ (1) San Antonio Spurs

After their riveting first round series against the Memphis Grizzlies, the LA Clippers look to carry their momentum forward against the top seeded Spurs. This Clippers team has shown much resilience thus far in the playoffs, making an incredible 27 points comeback in Game 1 of their first round series behind the alwaysconsistent play of Chris Paul and their highlight machine Blake Griffin. Meanwhile, the Spurs showed once again why they're always in the mix when playoff time comes around by sweeping the Utah Jazz. Ever since Gregg Popovich took over as head coach, San Antonio has been a model for any NBA team looking to build a dynasty, by combining wily veter-

> ans like Tim Duncan, Tony Parker, and Manu Ginobili with shrewd draft picks like DeJuan Blair and Kawhi Leon-

ard. The Spurs always seem to do everything right, and this year is no exception.

This matchup will be a tough one for the Clippers, and if they want to have a chance in this series, Blake Griffin must be dominant. He has had an outstanding season, making the All-Star team and averaging nearly 21 points per game and almost 11 rebounds, but LA needs him to play lockdown defense on future Hall of Famer Tim Duncan and he needs to use his unmatched athleticism to dominate offensively. The Clippers also need someone other than Chris Paul and Griffin to score, and they will need consistent contributions from their perimeter players like Caron Butler, Randy Foye, Mo Williams, Eric Bledsoe, and Nick Young. Young and Foye are known to be streaky shooters, so it would be in the Clippers' best interest to get those two going early in the series. They should be able to compete in the rebounding game, especially with Reggie Evans coming off the bench. Evans has been known throughout his entire career as an elite rebounder and he can be ex-

> pected to come up with at least three key rebounds in this series. San Antonio moves the ball very well as a team, and they are fifth in the NBA in assists. The

Clippers must be active on defense and play the passing lanes. If they allow Tony Parker to penetrate into the lane and convert easy floaters or assists, it could be a long series. Surprisingly, the highest scoring team in the NBA is not the Miami Heat, but it is these San Antonio Spurs. LA needs to play lockdown defense this entire series to have a chance. Outside of Chris Paul, they do not have anyone who would be classified as ar elite defender, which will make the series extremely difficult.

Prediction: Spurs in 5 –Austin Osborne

While the one-seeded Spurs have had much time to rest after sweeping the Jazz, the Clippers just finished a grueling series against the Grizzlies. Will the long rest cause the Spurs to be rusty or will it contribute to their energy as they enter a new series? With veterans like Tim Duncan, Manu Ginobili, and Tony Parker, the Spurs know how to handle the series transitions in the playoffs. Although the Clippers feature a strong bench with Eric Bledsoe, Nick Young, Mo Williams, and Kenyon Martin, the Spurs have shown consistency all season and will outperform the whole Clippers team with the perimeter shooting of Parker, Ginobili, and Danny Green, and the inside presence of Duncan.

Prediction: Spurs in 6

—Nidharshan Anandasivam



Teammates plan to continue to compete throughout the summer

By Lisa Liu

TEAM REPRESENTATIVE

Although sMITe, MIT's finished the season placing fifth at Division I regionals,



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they are not done with the sport. Many team members plan to continue playing during the sum-

mer, and next weekend a few will volunteer at the Northeastern High School Regionals.

Last weekend, sMITe attended regionals at Dartmouth College. Losing only to Middlebury College in a four-team pool and beating University of Massachusetts 15-4 in crossover, sMITe solidified their position in the Championship bracket. In quarterfinals, MIT played against Dartmouth, and despite losing the first three points quickly, MIT improved their defense, forcing Dartmouth to earn every long

This upcoming weekend, five sMITe players will vol-

unteer at Northeastern High School Regionals. Like many of her teammates, Monica Isava '13 has the attitude that she "seriously can't get enough of ultimate." Team member Becky A. Vasquez '12 are also intrigued by the growth of youth ultimate. "I think it is cool that high school ultimate is becoming more popular and I want to be a part of it," she said.

Meanwhile, other players have begun investigating summer leagues so that their skills stay fresh while away from MIT. Rookie Charlotte Zhu '15 and others will join Booosh!, a mixed-gender Boston team costarted by sMITe alum Claudia G Vasquez G. Unfortunately for those staying in other cities, tryouts for club teams finish up before MIT finals end. Still, Captain Michelle A. Rybak '13 hopes that she "can be a practice player for a club team, and if [she] can't [she] will try to be diligent and workout out several times a week, throw a lot, and find pick up wherever [she] can."

### (3) Los Angeles Lakers @ (2)

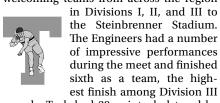
### Men's track takes sixth at New England Championship

Engineers garnered 39 points at competition and prepare for next meet at RPI for ECAC

By Greg McKeever

DAPER STAFF

MIT served as the host of the All-New England Championship over the weekend, welcoming teams from across the region



squads. Tech had 39 points, bolstered by second-place showings in three events.

Sophomore Tyler S. Singer-Clark had a personal-best time of 21.62 seconds in the 200-meter to finish second. Singer-Clark was also part of the fifth-place 4x400meter relay that finished in 3:16.08. Singer-Clark was joined by juniors Daniel J. Ronde and Patrick K. Marx and freshman Samuel G. Parker.

Benjamin A. Mattocks '12 also had a runner-up performance in the 1500-meter with a time of 3:54.56. Justin L. Bullock '14 took seventh in the event in 3:55.55.

Nathan E. Peterson '13 finished second in the pole vault, as one of two vaulters to clear 16-4.75 feet, missing out on first place on attempts.

Chinedum K. Umachi '12 was fourth in the hammer throw at 184-02 feet. Senior Stephen Serene had a fifth-place finish in the steeplechase with a solid time of

Also in action this weekend, was senior Daniel E. Harper, who traveled to the IC4A championship at Princeton University. Harper was looking to lower his time in the 10,000-meter in the hopes of qualifying for the upcoming NCAA Division III championship. Harper did just that, running a personal best 30:07.44, good for second place and 13th on the NCAA qualifying list with one week to go before the field is announced.

The MIT Women's Track and Field team, ranked No. 15 in the United States Track & Field and Cross Country Coaches Association poll, took on teams from across Divisions I, II, and III at the NEI-CAAA championship at the Steinbrenner Stadium over the weekend. The Engineers received some impressive individual showings to finish 14th overall and fourth among Division III squads.

### The Engineers received some impressive individual showings to finish 14th overall and fourth among Division III squads.

Senior Portia M. Jones had a busy weekend, qualifying for the finals in three events, the 100-meter hurdles, and the 200 and 400 meters. Jones ran a season-best 14.28 seconds in the 100-hurdles to take third. Her qualifying time in the 400 was the third fastest but the final was scheduled in between the hurdles and the 200, so the senior paced herself to an eighthplace finish. She then came back to earn fifth in the 200-meter final with a time of 24.51 seconds, a season-best that ranks seventh on the national qualifying list.

Senior Martha M. Gross did not make the finals in the 200 but did post her fastest time of the year at 25.54.

Senior Jamie L. Simmons ran extremely well in the 400-meter hurdles, nearly breaking the one-minute mark. Simmons finished in 1:00.84 in the finals to earn fourth place.

Freshman Michelle O. Johnson set a new MIT freshman record in the triple jump, placing seventh with a leap of 37-7.75 feet. Junior Lauren B. Kuntz gave Tech a solid effort in the pole vault, clearing 12-1.50 feet to earn second place.

The Engineers will travel to RPI for the ECAC championship next weekend, the final competition of the year before the NCAA Division III championship in two

### **GUEST COLUMN**

### The art of advocacy at MIT

Where do students fit in?

By Adwoa Boakye

On May 1, MIT Corporation Member Barun Singh ENG '06 called for MIT students to advocate for themselves. This is difficult with MIT's current structure of advocacy, which lacks proper forums to share problems and ideas. Students advocate through the student groups they are a part of, and student groups are forced to make advocacy entertainment. Events such as Alpha Chi Omega's Lipsync for raising domestic violence awareness and the Chorallaries' Bad Taste, which makes fun of scandalous occurrences on campus, are fun but students do not leave the show with a heightened sense of awareness — they are often focused on the event itself, and not the issue at hand. I would like to explain why advocacy currently happens as it does and make suggestions for how to get students more involved in politics.

This past semester I explored the needs of MIT students engaged in service, advocacy, and political discussion through Hope in Action (HIA), a student group dedicated to sup-

porting service, social justice, and advocacy on our campus. We were able to add questions to the 2011 All-Undergraduate Survey by the Office of the Provost, and found that only 10 percent of MIT Undergraduates plan on doing something involving politics during their time here. However, more than 50 percent of our campus is dissatisfied with the administration's response to their concerns.

We held service leader dinners sponsored by the Public Service Center and met with groups like MITOccupy, The Forum, and TGBSM to find out the current state of student involvement. We also held a workshop exploring how student groups can improve the reach of political discussion on campus. From all these resources, we have made the following observations on why students aren't involved in activism.

1. We like to do things for ourselves. An administrative call to attend a State of the Institute Address or to participate in a Diversity Summit does not draw a rousing crowd like a student-organized event such as Bad Taste.

2. MIT students are skeptical of how

much political advocacy and discussion can do. Because of this, they are hesitant to attend political events if they think it will be a time sink. During MITOccupy's kick-off event, WakeUp MIT, a couple of freshmen introduced themselves by saying "You have to prove that this is important." I have experienced the same skepticism on multiple

As a result, we need to engineer discussions, increase transparency, and connect our community in the best way possible. After delving into what makes students tick I suggest working towards two things:

1. Make interactions more transparent by developing online platforms that are relevant, easy, and efficient. Many students voice their opinions and problems on http:// isawyou.mit.edu/. MIT Mental Health has taken note of this and has used the site to gauge the state of MIT's mental health. This is a great move which other organization should follow. The UA has tried to move their interactions online, but it doesn't have a low barrier to entry. A better way for the UA to

connect with students online would be to increase transparency by creating a live feed of what decisions the administration is making and allow students to comment.

2. Allow the entire campus to get together and talk. The administration should sponsor a day of conversation on political and advocacy issues. There are tons of ways that we can get students interested in having conversations. Let the faculty and students in the Department of Urban Studies and Planning, Comparative Media Studies, Political Science, Women and Gender Studies build a case for why we should care and build forums where students can candidly express what they think. That will give the administration the answers they are looking for and furthermore increase the feeling of community.

If you support these suggestions or would like to add your own you can write into the Tech's online comment feed, apply to an Institute Committee through the UA, or add comments on HIA's website at http://bit.ly/

During the Discussion, Politics, & Advocacy @ MIT Workshop a graphic was collaboratively created. It provided a picture of how advocacy groups view their relationship to the administration. The most interesting thing to evolve was the statement that MIT is composed of multiple connections with students on one side and the administration on the other. There is no connection to MIT as a whole. Instead, advocacy is done through straws; connections that students have made with champions for their causes in the administration.

Student advocacy

### The Division of Student Life

Is involved with residential life, religious life, dorms and FSILGs.

### The Student Activities Office

In charge of working with the Association for Student Activities, which is run by students, to maintain the fiscal information of student clubs.

**Student Support Services** 

### The MIT Corporation

MIT was incorporated in 1861 the year it was created. Since then the board of trustees has been in charge of MIT's fiduciary responsibility. The corporation meets as a whole four times a year: however, each member of the Corporation also serves on two visiting committees. There are thirty-one visiting committees in total. They range from the Visiting Committee on Athletics, to Service, to Libraries and Visiting Committees on the majors from Course 1 to 22.

### The President

The job of the President is to sculpt the direction of institute research, maintain alumni relations, and oversee all administrative offices.

### The Chancellor

A revolving position which the Corporation's **Executive Commit**tee may dissolve or reinstate, the chancellor handles issues closer to campus than the president including overseeing undergraduate and graduate education, student life and student services

### The Dean for Undergraduate Education

The Dean is in charge of overseeing admissions, financial aid, and registration. Besides those necessities the Dean works to enhance education at the institute inside and outside of the classroom for faculty and students.

### The Dean of **Student Life**

Oversees student support services including all of the offices under the division of student

### **Colleges Against** Cancer CAC works to raise money to

help battle Cancer. They organize Relay for Life and Camp Kessem. CAC is also tied to a nationwide organization through whom they are partially funded.

Veritas Forum The Veritas Forum holds a debate once a year on the topic of Christianity. Veritas is organized by a new group of volunteers from various Christian Organizations on campus each year.

### **MITOccupy**

Inspired by the Nationwide call for reform MITOccupy has acted as an open space for students to pursue questions and raise questions about institutional reform. They have authored postering campaigns and held open meetings in which students have explored endowment transparency and supported campus worker rights.

### There's Gotta Be Something More (TGBSM)

Though not an officially recognized ASA club, TGBSM provides a weekly discussion space and dinner for students of any background, religion, or belief who are interested in sharing stories and digging into the spiritual aspect of life. TGBSM has launched postering campaigns along with maintaining an anonymous online list at http://www.corkfessions.com. They are currently funded by a local organization.

### **Active Minds**

With a focus on campus Mental Health, Active Minds is a campus advocacy group tied to a nationwide organization. They have connected with the UA and the Division of Student Life. Some of the events they sponsor include movie showings through LSC and the Bubble Tea Booth during Spring Weekend.

Most of these organizations are tied to external sources. MIT itself interacts with students through administrative events such as Cookies with Conversation held by Chancellor Grissom, and during competitions at events such as the Ideas Competition Generator Dinners but we have the opportunity to connect MIT as a whole. Politics is about structure, changing the way that things get done. The groups featured here deal with the politics of health, spirituality, and institutional justice. They do so with calls from external organizations. MIT should make its own call and involve the entire campus.

**20** The Tech

Tuesday, May 15, 2012

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